Subject Index

ABO blood grouping
- human hair, 420

A_{finn} human blood group antigen
- basic characteristics, 193

Agglutinins from fish ova
- defining B human blood group antigen, 347
- defining P human blood group antigen, 347

Ag lipoprotein antigens
- occurrence in different lipoproteins, 281

A human blood group antigen
- dominant suppression, 377

A human blood group substance
- haptenic relationship with Bovine J and Porcine A, 317

A_1 Le^b human blood group antibody
- from a person of blood group A_1h, 411

Anti-human immunoglobulin antibody production
- cow colostrum, 245

A porcine blood group substance
- haptenic relationship with Bovine J and human A, 317

Atopia
- HL-A antigen distribution, Mexicans, 151

Autoanalyzer
- blood group antibody screening, 289

B human blood group antigen
- agglutinins from fish ova, 347
- B^h_m variant, 341
- dominant suppression, 377

Blood group substance secretion
- red cell phenotype Le (a−b−x−), 72

Cattle
- red cell peptidase polymorphism, 173

Cold agglutinin
- IgA, 32
- unusual blood group specificity within the Pr complex, 32

Colton human blood group system
- independence from Yt blood group system, 540

Complement component 3
- first international symposium and workshop, 9
- genetics, 1
- polymorphism, human, 9
- qualitative and quantitative comparison of variant sera, 21
- statement on the polymorphism, human, 18

Dogs
- red cell peptidase polymorphism, 173

Dolichos biflorus extract
- agglutination of group O and B Japanese red cells, 361

Enzyme anti-human globulin test
- enzyme autoantibodies, 558

Enzyme autoantibodies
- enzyme anti-human globulin test, 558

Factor IX-prothrombin complex
- clinical use, 426
- small scale preparation, 426

Ge^1 human blood group antibody
- second example, 474

Ge human blood group antigen
- subgroups, 474

Haemaglutination
- mechanism, IgG antibodies, 28

Haemoglobin G philadelphia
- chinese subject in Taiwan, 184

Haemolytic disease newborn
- rhesus anti-C^x antibody, 39

Hair, human
- ABO blood grouping, using radioactively-labelled antibodies, 420

HB Ab
- production in donkeys, 370

HB Ab production

- immunization by infusion of heat-treated human plasma protein solution, 235
HBAg
- subtypes among Israeli, 105
- subtyping of new determinants, 212
HBAg testing
- automated continuous-flow hemagglutination inhibition, 97
- report of comparative trial different methods, 88
- role of rheumatoid factor in radioimmunoassay, 466
H blood group substance
- guinea pig tissue, 182
- monkey tissue, 182
- rabbit tissue, 182
Hemagglutination inhibition
- automated continuous-flow for HBAg, 97
Hemoglobin F
- correlation with Singer test, 43
- decrease with age, 43
- immunological assay technique, 43
Histocompatibility antigens
- effect of proteolytic enzymes, 327
HL-A antibody
- specifity after fetal-maternal immunization, 546
HL-A antigen distribution
- Mexican atopics and lepers, 151
HL-A antigens
- impaired antibody response in Hodgkin's disease, 254
HL-A loci
- MLC in recombinant, 141
HL-A system
- another recombination, 543
HL-A typing
- potential kidney recipients, 141
HI blood group substance
- guinea pig tissue, 182
- rabbit tissue, 182
- monkey tissue, 182
Hodgkin's disease
- impaired antibody response, 254
- relation to HL-A antigens, 254
- relation to immunoglobulin levels, 254
Human blood group antibody screening
- papain-bromelin-polybrene four-channel autoanalyzer system, 289
Human blood group substance, saliva
- relative contribution of different salvary glands, 298
Human plasma protein solution, heat-treated
- HB Ab production, 235

I autoantibody
- preferential activity in albumin, 162
I blood group substance
- guinea pig tissue, 182
- monkey tissue, 182
- rabbit tissue, 182
i blood group substance
- guinea pig tissue, 182
- monkey tissue, 182
- rabbit tissue, 182
Immunoglobulin A deficiency
- frequency among 15,200 french blood donors, 513
Immunoglobulin preparation, human
- characterisation, 124
- stability during storage, 124

J bovine blood group substance
- haptenic relationship with human A and porcine A, 317

Le(a−b−x−) blood group phenotype
- secretion of blood group substances, 72
Leprosy
- HL-A antigen distribution, Mexicans, 151
Leukocyte alloantibodies
- patients with nonhemolytic transfusion reactions, 442
Leukocyte migration inhibition
- simple, inexpensive method, 553
Leukocyte-poor blood
- dextran agglomeration and subsequent filtration, 470
- preparation from stored ACD blood, 470

Lutheran human blood group system
- related antibody Much., 156

Mink
- red cell peptidase polymorphism, 173
Much. human blood group antibody
- relation to Lu system, 156

N^a human blood group antibody
- non-identity with N blood group antibody, 374
Neuraminidase antibody
- effect on cell surface properties, 519
Neuraminidase
- effect on cell surface properties, 519
N human blood group antibody
- non-identity with N^a blood group antibody, 374
Nonhemolytic transfusion reactions
- specificity of leukocyte and platelet alloantibodies, 442

O (H)-like human blood group activity
- extracts from invertebrates, 398

Pan-agglutinin
- bromelin dependence, 166
Permanent mixed-field polyagglutinability
- hematological, biophysical and biochemical observations, 498
- serological observations, 481
P human blood group antigen
- agglutinins from fish ova, 347
Pigs
- red cell peptidase polymorphism, 173
P^k human blood group antibody
- α-galactose specificity, 263
Platelet alloantibodies
- patients with nonhemolytic transfusion reactions, 442
Platelet survival
- shortened survival despite HL-A identity, 187
- shortened survival without demonstrable platelet antibodies, 187
Proteolytic enzymes
- effect on histocompatibility antigens, 327
Prothrombin complex
- comparison of two anion exchangers, 113
- large-scale preparation, 113

Red cell peptidase polymorphism
- cattle, 173
- dogs, 173
- mink, 173
- pigs, 173
Rh (Cde)(r') human blood group genotype
- existence in a Chinese, 286
Rh (C^x) human blood group antibody
- haemolytic disease newborn, 39
Rh (D)(C^w)(e) human blood group gene complex, 385
Rh(D) immunization prevention
- IgG production by ion exchange chromatography, 308
- IgG production for i.v. application, 308
Rh (G) human blood group antigen
- quantitative variation, 529

Saliva
- relative contribution different salivary glands, blood group substance, 298
Salivary blood group substances
- quantitative studies in identical twins, 52
s human blood group antibody
- cold reacting antibody, 390
Sp human blood group antibody
- effect on transfusion, 271
Sp_1 human blood group antibody
- cold agglutinin, 271
'Super' Sd^a human blood group antigen
- combined with Wr^a in family, 336

Tetanus antibody immunoglobulin preparation
- plasma selection, 240
Tetanus antibody screening
- automated test, 457
Transfusion plastic equipment
- chemical and biological testing, 461

U human blood group antibody
– cold reacting antibody, 390

Yt human blood group system
– independence from Colton blood group system, 540

Wr^a human blood group antigen
– combined with 'super' Sd^a in family, 336

Author Index

Alkan, W. J. 370
Allan, Christopher J. 481
Allen, Fred H. jr. 377
Alper, C. A. 1
Anstee, D. 263, 347
Arcilla, M. V. 72
Ata, S. 235

Baldo, B. A. 398
Bancroft, W. H. 105
Barrowcliffe, T. W. 426
Bar-Shany, S. 105
Bates, Eleanor 52
Bell, C. A. 271
Bird, G. W. G. 162
Blackwell, R. Q. 184
Blue, A. M. 39
Boettcher, B. 420
Boissezon, De J. F. 43
Booth, P. B. 374, 474
Borst-Eilers, Else 141, 254
Brodsky, I. 32
Brummelhuis, H. G. H. 113
Brunner, E. 281, 466
Bube, F. W. 327
Buchanan, D. I. 156
Bucher, U. 187
Bütler, R. 245, 281, 466

Case, J. 529
Chown, B. 336
Combridge, B. S. 124
Cooper, K. 341
Coroucé-Pauty, A. M. 212
Cunningham, R. K. 193

D'Antoni, Lina 461
Dawes, C. 298
De Planque, B. A. 141
de Weck, A. 187
Dormandy, Katharine M. 426
Dreisiger, Martha E. 390

Edwards, Virginia Mae 105
Ehnholm, C. 281
Eldridge, P. L. 240
Entwistle, C. C. 240
Escobar-Gutiérrez 151
Eshchar, J. 370

Fernandez, Gloria 341
Ferrari, Mary 341
Fey, H. 245
Fine, J. M. 513
Finney, R. D. 39
Fischer, Mary Lou 271
Frommel, D. 513
Fudenberg, H. H. 32
Furuhjelm, U. 193

Garratty, G. 32
Gavin, June 336
Giblett, Eloise R. 336, 540
Gitnick, G. L. 97
Goldmann, S. F. 470
Gorodezky, Clara 151
Gsell, R. 519
Gundolf, Fritz 411

Habibi, B. 289
Hawkins, B. 286
Heier-Larsen, Anna M. 385
Heinrich, D. 442
Heiss, F. 470
Henning, W. 308
Heumann, H. 327
Heynen, Cobi J. J. 141
Heystek, J. 113
Hirschfeld, T. 370
Holt, P. D. J. 347
Holtzer, J. D. 254
Hoppe, H. H. 308

Ibrahim, A. B. 552

Judd, W. J. 166

Kaita, Hiroko 336, 540
Kay, D. J. 420
Koch, J. 317
Kornstad, Leif 385
Krassnithky, O. 88
Krebs, H. J. 308
Krijnen, H. W. 113
Kummer, H. 187
Kuns Se Kwak 97

Lalezari, Parviz 390
Lambert, R. M. 182
Lambin, P. 513
Lefler, E. 370
Lewis, Marion 336, 540
Liu, C. S 184
Luner, Stephen J. 498

Macgregor, A. 474
Mackay, Margaret 124
Malamut, Dorothy C. 390
Marsh, W. L. 341
Marti, F. 245
Mauran-Sendrail, Anne 43
Mayer, S. 546
McQuiston, Dorothy 52, 481, 498
Mehrishi, J. N. 519
Mester, T. 308

Milne, R. W. 298
Moes, Mieke 254
Mohn, J. F. 193
Mollison, P. L. 28
Momose, M. 235
Moores, Phyllis 374
Mori, Y. 235
Mosley, J. W. 105
Moullec, J. 513
Mueller-Eckhardt, C. 442

Nakano, Y. 235
Nelson, M. 457
Nevanlinna, H. R. 193
Nichols, Margaret E. 341

Øie, Signe Holta 461
Ogawa, Y. 361
Okubo, Y. 361
Overbeeke, Marijke 141

Pacher, M. 543
Pardoe, Grace 263, 347
Pausch, V. 543
Pesendorfer, F. 88
Petz, L. D. 32
Pirkola, Anna 193

Romano, E. L. 28
Rubinstein, Pablo 377

Sachtleben, P. 519
Saison, Ruth 173
Salazar-Mallén, M. 151
Salmon, C. 289
Sanders, Clifford 390
Sanger, Ruth 156, 336
Scheinert, Irmgard 470
Shin, T.-B. 184
Siebel, E. 327
Simons, M. J. 286
Sinclair, Margaret 156
Soulier, J. P. 212
Speiser, P. 543
Spengler, H. 187
Spira, Susan 271
Ssebabi, E. C. T. 557
Stableforth, Penelope 426
Steinberg, A. G. 336, 540
Steinhausen, G. 398
Stier, W. 442
Sturgeon, P. 52, 72, 97, 481, 498
Sybesma, J. P H. B. 141, 254

Taswell, Howard F. 481
Tanaka, M. 361
Thiele, O. W. 317
Tippett, Patricia 156, 336
Tongio, M.-M. 546
Tschopp, L. 187

Uhlenbruck, G. 398

Vallet, L. 124
Verdier, J. 43
Voak, D. 263
Vyas, G. N. 552

Wang, C.-L. 184
Wewalka, F. 88
Willoughby, M. L. N. 39
Wingham, June 162

Yamaguchi, H. 361

Zegers, B. J. M. 141, 254
Zelenski, S. K. 184
Zwicker, Helen 271

Vox Sanguinis Vol. 25, 1973

Vol. 25, 1973

Vox Sanguinis

Journal of Blood Transfusion, Immunohaematology and Immunopathology
Official Journal of the International Society of Blood Transfusion
Organe Officiel de la Société Internationale de Transfusion Sanguine

Published in cooperation with the League of Red Cross Societies, Geneva

Advisory Board:
S. T. Gibson, Washington, D.C. (USA)
Ph. Levine, Raritan, N.J. (USA)
W. d'A. Maycock, London (Great Britain)
G. W. Miller, Toronto, Ont. (Canada)
M. Shapiro, Johannesburg (South Africa)
Representing the International Society of Blood Transfusion:
T. J. Greenwalt, Washington, D.C. (USA), President
F. Jasso, Paris (France), Secretary-General
Representing the League of Red Cross Societies:
Z. S. Hantchef, Geneva (Switzerland)

Editors of Brief Reports:
North and South America:
E. Giblett, Seattle, Wash. (USA)
Europe:
A. Hässig, Bern (Switzerland)

Editors-In-Chief:
North and South America:
F. H. Allen, New York, N. Y. (USA)
Europe:
L. P. Holländer, Basel (Switzerland)
Africa, Asia and Australia:
M. G. Davey, Perth (Western Australia)

Chairman:
J. J. van Loghem, Amsterdam (The Netherlands)

S. Karger · Basel · München · Paris · London · New York · Sydney

Contributing Editors: H. M. Bhatia, Bombay (India)
B. Boettcher, Bedford Park (South Australia)
P. B. Booth, Christchurch (New Zealand)
P. Brain, Durban (South Africa)
R. Bütler, Bern (Switzerland)
H. Chaplin, St. Louis, Mo. (USA)
B. Chown, Winnipeg, Man. (Canada)
R. R. A. Coombs, Cambridge (Great Britain)
Marie Cutbush Crookston, Toronto, Ont. (Canada)
J. Dausset, Paris (France)
A. Eyquem, Paris (France)
E. Freiesleben, Copenhagen (Denmark)
H. Fudenberg, San Francisco, Calif. (USA)
K. L. G. Goldsmith, London (Great Britain)
M. Harboe, Oslo (Norway)
H. Hasekura, Tokyo (Japan)
C. F. Högman, Uppsala (Sweden)
Susan R. Hollán, Budapest (Hungary)
R. Jakobowicz, Melbourne (Australia)
F. Kissmeyer-Nielsen, Åarhus (Denmark)
J. R. Krevans, San Francisco, Calif. (USA)
H. W. Krijnen, Amsterdam (The Netherlands)
H. G. Kunkel, New York, N.Y. (USA)
P. Lalezari, New York, N.Y. (USA)
S. D. Lawler, London (Great Britain)
S. P. Masouredis, La Jolla, Calif. (USA)
R. Masure, Brussels (Belgium)
M. Metaxas, Zürich (Switzerland)
F. Milgrom, Buffalo, N.Y. (USA)
J. F. Mohn, Buffalo, N.Y. (USA)
P. L. Mollison, London (Great Britain)
A. E. Mourant, London (Great Britain)
E. Neter, Buffalo, N.Y. (USA)
H. R. Nevanlinna, Helsinki (Finland)
N. Nitschmann, Bern (Switzerland)
R. R. Race, London (Great Britain)
J. M. Roitt, London (Great Britain)
J. J. van Rood, Leyden (The Netherlands)
C. Ropartz, Rouen (France)
R. E. Rosenfield, New York, N.Y. (USA)
C. Salmon, Paris (France)
H. Schubothe, Freiburg i. Br. (Germany)
W. Spielmann, Frankfurt a. M. (Germany)
A. G. Steinberg, Cleveland, Ohio (USA)
F. Stratton, Manchester (Great Britain)
S. N. Swisher, East Lansing, Mich. (USA)
G. H. Tovey, Bristol (Great Britain)
Z. Trnka, Basel (Switzerland)
J. L. Tullis, Boston, Mass. (USA)
G. Uhlenbruck, Köln-Lindenthal (Germany)
R. L. Walford, Los Angeles, Calif. (USA)
H. Yamaguchi, Osaka (Japan)

S. Karger · Basel · München · Paris · London · New York · Sydney
Arnold-Böcklin-Strasse 25, CH-4011 Basel (Switzerland)

All rights, including that of translation into other languages, reserved.
Photomechanic reproduction (photocopy, microcopy) of this volume or parts thereof without special permission of the publishers is prohibited.

© Copyright 1973 by S. Karger AG, Verlag für Medizin und Naturwissenschaften, Basel
Printed in Switzerland by Buchdruckerei Friedrich Reinhardt AG, Basel

Contents

No. 1

ALPER, C. A. (Boston, Mass.): Genetics and the C3 Molecule 1

First International Symposium and Workshop on the Polymorphism of the Third Component of the Human Complement System 9

ROMANO, E. L. and MOLLISON, P. L. (London): Mechanism of Red Cell Agglutination by IgG Antibodies 28

GARRATTY, G.; PETZ, L. D.; BRODSKY I., and FUDENBERG, H. H. (San Francisco, Calif.): An IgA High-Titer Cold Agglutinin with an Unusual Blood Group Specificity within the Pr Complex 32

FINNEY, R. D.; BLUE, A. M., and WILLOUGHBY, M. L. N. (Carluke): Haemolytic Disease of the Newborn Caused by the Rare Rhesus Antibody Anti-C^x 39

MAURAN-SENDRAIL, ANNE; BOISSEZON, DE J. F., and VERDIER, J. (Toulouse): Immunological Dosage of Hb F and its Correlation with the Singer Test-Decrease of Feral Hemoglobin with Age 43

STURGEON, P.; BATES, ELEANOR, and MCQUISTON, DOROTHY (Los Angeles, Calif.): Quantitative Studies on Salivary Blood Group Substances. III. In Identical Twins 52

ARCILLA, M. B. and STURGEON, P. (Los Angeles, Calif): Studies on the Secretion of Blood Group Substances. II. Observations on the Red Cell Phenotype Le(a-b-x-) 72

WEWALKA, F.; KRASSNITZKY, O., and PESENDORFER, F. (Wien): Report of a Proficiency Test for the Hepatitis-B Antigen 88

Book Reviews 96

No. 2

KUN SE KWAK; STURGEON, P., and GITNICK, G. L. (Los Angeles, Calif.): Automated Continuous-Flow Hemagglutination Inhibition Test for Hepatitis B Antigen in Blood 97

BAR-SHANY, S.; EDWARDS, VIRGINIA MAE; MOSLEY, J. W., and BANCROFT, W. H. (Los Angeles, Calif.): Subtypes of Hepatitis B Antigen among Israeli Blood Donors 105

HEYSTEK, J.; BRUMMELHUIS, H. G. J., and KRIJNEN, H. W. (Amsterdam): Contributions to the Optimal Use of Human Blood. II. The Large-Scale Preparation of Prothrombin Complex. A Comparison between two Methods Using the Anion Exchangers DEAE-Cellulose DE 52 and DEAE-Sephadex A-50 113

MACKAY, MARGARET; VALLET, L., and COMBRIDGE, B. S. (Elstree): The Characterisation and Stability during Storage of Human Immunoglobulin Prepared for Clinical Use 124

SYBESMA, J. P. H. B.; OVERBEEKE, MARIJKE; BORST-EILERS, ELSE; HEYNEN, COBI J. J.; DE PLANQUE, B. A., and ZEGERS, B. J. M. (Utrecht): HL-A Typing in Families of Potential Kidney Recipients. Mixed Lymphocyte Cultures in a Case of Crossing-Over between the two HL-A Loci 141

ESCOBAR-GUTIÉRREZ; GORODEZKY, CLARA, and SALAZAR-MALLÉN, M. (Mexico): Distribution of some of the HL-A System Lymphocyte Antigens in Mexicans. II. Studies in Atopics and in Lepers 151

SINCLAIR, MARGARET; BUCHANAN, D. I.; TIPPETT, PATRICIA, and SANGER, RUTH (Edmonton, Canada): Another Antibody Related to the Lutheran Blood Group System (Much.) 156

BIRD, G. W. G. and WINGHAM, JUNE (Birmingham): Anti-I Autoantibody Acting Preferentially in Albumin 162

JUDD, W. J. (Brentwood): A Bromelin Dependant 'Pan-Agglutinin' 166

SAISON, RUTH (Guelph, Ont.): Red Cell Peptidase Polymorphism in Pigs, Cattle, Dogs and Mink 173

Brief Reports

LAMBERT, R. M. and ZELENSKI, S. K. (Buffalo, N.Y.): The Presence of I,H,HI, and i Blood Group Substances in the Tissues of Rabbits, Monkeys and Guinea Pigs 182

BLACKWELL, R. Q.; WANG, C.-L.; LIU, C.-S., and SHIH, T.-B. (San Francisco, Calif.): Haemoglobin G Philadelphia, $\alpha 68$ (αE17) Asn → Lys, in a Chinese Subject in Taiwan 184

BUCHER, U.; DE WECK, A.; SPENGLER, H.; TSCHOPP, L., and KUMMER, H. (Bern): Platelet Transfusions: Shortened Survival of HL-A-Identical Platelets and Failure of *in vitro* Detection of Anti-Platelet Antibodies after Multiple Transfusions 187

No. 3

MOHN, J. F.; CUNNINGHAM, R. K.; PIRKOLA, ANNA; FURUHJELM, U., and NEVANLINNA, H. R. (Buffalo, N.Y.): An Inherited Blood Group A Variant in the Finnish Population. I. Basic Characteristics 193

SOULIER, J. P. and COUROUCÉ-PAUTY, A. M. (Paris): New Determinants of Hepatitis B Antigen (Au or HB Antigen) 212

MORI, Y.; MOMOSE, M.; NAKANO, Y., and ATA, S. (Aichi): Australia Antibody Production elicited by Heat-Treated Human Plasma Protein Solution . 235

ENTWISTLE, C. C. and ELDRIDGE, P. L. (Cambridge): The Selection of Plasma for the Preparation of Antitetanus Immunoglobulin 240

FEY, H.; BÜTLER, R., and MARTI, F. (Berne): The Production in the Pregnant Cow of Anti-Human Immunoglobulin to be used for the Antiglobulin Test 245

Sybesma, J. P. H. B.; Holtzer, J. D.; Borst-Eilers, Else; Moes, Mieke, and Zegers, B. J. M. (Utrecht): Antibody Response in Hodgkin's Disease and Other Lymphomas Related to HL-A Antigens, Immunoglobulin Levels and Therapy 254
Voak, D.; Anstee, D., and Pardoe, Grace (Cambridge): The α-Galactose Specificity of Anti-P^k 263
Bell, C. A.; Zwicker, Helen; Spira, Susan, and Fischer, Mary Lou (Orange, Calif.): Transfusion in the Presence of Anti-Sp_1 271

Brief Reports
Ehnholm, C.; Butler, R., and Brunner, E. (Helsinki): The Occurrence of Ag Determinants in Different Lipoproteins 281
Hawkins, B. and Simons, M. J. (Canberra): Evidence for the Existence of the Rhesus complex *Cde (r')* in a Chinese 286

Letters to the Editor 288

No. 4

Habibi, B.; Gerbal, A., and Salmon, C. (Paris): A Papain-Bromelin-Polybrene Four-Channel Autoanalyzer System for Blood Group Antibody Screening. Analysis of 22,912 Sera 289
Milne, R. W. and Dawes, C. (Winnipeg): The Relative Contributions of Different Salivary Glands to the Blood Group Activity of Whole Saliva in Humans 298
Hoppe, H. H.; Mester, T.; Hennig, W., and Krebs, H. J. (Hamburg): Prevention of Rh-Immunization. Modified Production of IgG Anti-Rh for Intravenous Application by Ion Exchange Chromatography (IEC) 308
Thiele, O. W. and Koch, J. (Göttingen): Haptenic Relationship between Bovine J, Human A, and Porcine A Blood Group Systems Tested with Lipids and Nonlipid Fractions of Blood 317
Bube, F. W.; Siebel, E., and Heumann, H. (Köln): The Possibility of Influencing Histocompatibility Antigens by Proteolytic Enzymes 327
Lewis, Marion; Kaita, Hiroko; Chown, B.; Tippett, Patricia; Gavin, June; Sanger, Ruth; Giblett, Eloise, and Steinberg, A. G. (Cleveland, Ohio): A Family with the Rare Red Cell Antigens Wr^a and 'Super' Sd^a 336
Marsh, W. L.; Ferrari, Mary; Nichols, Margaret E.; Fernandez, Gloria, and Cooper, K. (New York, N.Y.): B^H_m: a Weak B Antigen Variant . . 341
Anstee, D. J.; Holt, P. D. J., and Pardoe, G. I. (Birmingham): Agglutinins from Fish Ova Defining Blood Groups B and P 347
Yamaguchi, H.; Okubo, Y.; Ogawa, Y., and Tanaka, M. (Osaka): Japanese Families with Group O and B Red Cells Agglutinable by *Dolichos biflorus* Extract 361
Brief Reports
Hirschfeld, T.; Alkan, W. J.; Lefler, E., and Eshchar, J. (Rehovot): Production of Antibodies against Hepatitis-Associated Antigen in Donkeys 370

Booth, P. B. and Moores, Phyllis (Christchurch): The Non-Identity of Anti-N^A and Anti-N in the Serum of an MN Person 374
Rubinstein, Pablo; Allen, Fred H., jr., and Rosenfield, Richard E. (New York, N.Y.): A Dominant Suppressor of A and B 377

Varia 382
Book Review 384

No. 5

Kornstad, Leif and Heier-Larsen, Anna M. (Oslo): A Possible *D (C^w) (e)* Gene Complex of the Rh System 385
Lalezari, Parviz; Malamut, Dorothy C.; Dreisiger, Martha E., and Sanders, Clifford (New York, N.Y.): Anti-s and Anti-U Cold-Reacting Antibodies 390
Baldo, B. A.; Uhlenbruck, G., and Steinhausen, G. (Köln-Lindenthal): Blood Group O(H)-Like Activity in Extracts from some Invertebrates. A Study with Catfish and Eel Sera and Three Anti-H Lectins 398
Gundolf, Fritz (Copenhagen): Anti-A_1 Le^b in Serum of a Person of a Blood Group A_1h 411
Boettcher, B. and Kay, D. J. (Newcastle): ABO Blood Grouping of Human Hair Using Radioactively-Labelled Antibodies 420
Barrowcliffe, T. W.; Stableforth, Penelope, and Dormandy, Katharine M. (London): Small Scale Preparation and Clinical Use of Factor IX-Prothrombin Complex 426
Heinrich, D.; Mueller-Eckhardt, C., and Stier, W. (Giessen): The Specificity of Leukocyte and Platelet Alloantibodies in Sera Patients with Non-hemolytic Transfusion Reactions. Absorptions and Elution Studies ... 442
Nelson, M. (Sydney): Automated Screening Test for High Titre Tetanus Antibody in Donor Plasma 457

Brief Reports
Øie, Signe Holta and D'Antoni, Lina (Oslo): Plastic Blood Transfusion Equipment 461
Bütler, R. and Brunner, E. (Bern): The Role of Rheumatoid Factor and Related Human Antiglobulins in the Radioimmunoassay (Ausria System) for the Detection of Hepatitis B Antigen 466
Goldmann, S. F.; Heiss, F., and Scheinert, Irmgard (Hamburg): Removal of Buffy Coat from Stored ACD Blood by Dextran Agglomeration and Subsequent Filtration 470
Macgregor, A. and Booth, P. B. (Christchurch): A Second Example of Anti-Ge^1, and Some Observations on Gerbich Subgroups 474

Book Reviews 479

No. 6

STURGEON, PHILLIP; MCQUISTON, DOROTHY T.; TASWELL, HOWARD F., and ALLAN, CHRISTOPHER J. (Rochester, Minn.): Permanent Mixed-Field Polyagglutinability (PMFP). I. Serological Observations 481

STURGEON, PHILLIP; LUNER, STEPHEN J., and MCQUISTON, DOROTHY T. (Los Angeles, Calif.): Permanent Mixed-Field Polyagglutinability (PMFP). II. Hematological, Biophysical and Biochemical Observations 498

FROMMEL, D.; MOULLEC, J.; LAMBIN, P., and FINE, J. M. (Paris): Selective Serum IgA Deficiency. Frequency among 15,200 French Blood Donors 513

SACHTLEBEN, P.; GSELL, R., and MEHRISHI, J. N. (Cambridge): Neuraminidase and Anti-Neuraminidase Serum: Effect on the Cell Surface Properties 519

CASE, J. (Parkville): Quantitative Variation in the G Antigen of the Rh Blood Group System 529

Brief Reports

LEWIS, MARION; KAITA, HIROKO, KAITA; GIBLETT, ELOISE R., and STEINBERG, A. G. (Cleveland, Ohio): Independence of the Colton and Yt Blood Group Systems 540

SPEISER, P.; PAUSCH, V., and PACHER, M. (Vienna): A Further Observation of a Recombination within the HL-A System in an Austrian Family 543

MAYER, S. and TONGIO, M.-M. (Strasbourg): A Study of Maternal-Fetal Anti-HL-A Immunization. Extension of Immunization 546

Technical Notes

IBRAHIM, A. B. and VYAS, G. N. (San Francisco, Calif.): A Simple Inexpensive Method for Demonstrating *in vitro* Leukocyte Migration 552

SSEBABI, E. C. T. (Kampala): Enzyme Anti-Human-Globulin Test. A Technique to Detect Enzyme Autoantibody 557

Varia 564

Subject Index 565

Author Index 569